

| Application Structure | | | | |
|-----------------------------------|---|---|---|---|
| Segment | Subsegment | Application | What is the gas used for? | |
| Power Generation | Pump Storage Power Plant | Braking Air | Storage of pressure energy | |
| | Pump Storage Power Plant | Governor Air | Storage of pressure energy | |
| | Pump Storage Power Plant | Cavitation Prevention | Usage of pressure energy in mechanical / chemical process | |
| | Pump Storage Power Plant | Water-Level Depression | Blanketing off other media | |
| | Hydro Power Plant | Braking Air | Storage of pressure energy | |
| | Hydro Power Plant | Governor Air | Storage of pressure energy | |
| | Hydro Power Plant | Cavitation Prevention | Usage of pressure energy in mechanical / chemical process | |
| | Hydro Power Plant | Water-Level Depression | Blanketing off other media | |
| | Coal fired Power Plant | Desulfurisation | Transport and dispersion of other media | |
| | Coal fired Power Plant | Soot-Blowing | Usage of kinetic energy | |
| | Coal fired Power Plant | Nox-Treatment | Transport and dispersion of other media | |
| | Coal fired Power Plant | Turbinecooling Gas H2 | Transport and dispersion of other media | |
| | Gasturbine Power Station | Purge Air | Blanketing off other media | |
| | Gasturbine Power Station | Feed Gas | Usage of pressure energy in mechanical / chemical process | |
| | Gasturbine Power Station | Seal Gas Supply of N2 | Blanketing off other media | |
| | Gasturbine Power Station | Starting Air | Storage of pressure energy | |
| | Nuclear Power Plant | Turbine Cooling Gas H2 | Transport and dispersion of other media | |
| | Nuclear Power Plant | Starting Air - Emergency Genset | Storage of pressure energy | |
| | Diesel Power Plant | Nox-Treatment | Transport and dispersion of other media | |
| | Diesel Power Plant | Starting Air | Storage of pressure energy | |
| Power Distribution | Gas Distribution | Feed of Biomethan of General Gas Network | Reduction of storage volume | |
| | Gas Distribution | Leak Gas Recovery | Reduction of storage volume | |
| | Gas Distribution | Feed of CNG Dispenser | Reduction of storage volume | |
| | Gas Distribution | Starting Air | Storage of pressure energy | |
| | Gas Distribution | Desulfurisation | Transport and dispersion of other media | |
| | Air Distribution | Feed of Air Dispenser | Reduction of storage volume | |
| | Electrical Substation | Electric Arc Suppression | Usage of kinetic energy | |
| | Electrical Substation | Heavy Duty Circuit Breaker Opening | Storage of pressure energy | |
| | Process Industry | Plastic Injection Moulding (Spritzguss) | Gas Assisted Injected Moulding | Blanketing off other media |
| Blow Moulding | | Isostatic Forming | Usage of pressure energy in mechanical / chemical process | |
| Blow Moulding | | PET Bottle Blowing | Usage of pressure energy in mechanical / chemical process | |
| Metal Laser Cutting | | Inert Nitrogen Assist Gas Boosting | Blanketing off other media | |
| High Density Foam Manufacture | | Process Filling for Autoclaves | Usage of pressure energy in mechanical / chemical process | |
| Laminate Manufacturing | | Process Filling for Autoclaves | Usage of pressure energy in mechanical / chemical process | |
| Laminate Manufacturing | | Presses in Wood Production | Storage of pressure energy | |
| Lamp and Bulb Manufacturing | | Argon Gas Filling | Blanketing off other media | |
| N2 Generation and Storage | | Nitrogen Purging | Reduction of storage volume | |
| Metal Treatment by Gases | | Gas Recovery | Reduction of storage volume | |
| Testing Equipment for Automotive | | Pressure Testing Brake Piping and Components | Storage of pressure energy | |
| Testing Equipment for Automotive | | Pressure Testing Airbag and Components | Storage of pressure energy | |
| Testing Equipment for Fuel System | | Pressure Testing Injection System | Storage of pressure energy | |
| Testing Equipment | | Leak Detection by Helium | Storage of pressure energy | |
| Testing Equipment | | Pressure Testing of Valves and Armatures | Storage of pressure energy | |
| Testing Equipment | | Pressure Testing of Vessels | Usage of pressure energy in mechanical / chemical process | |
| Research and Development | | Testing Equipment for Automotive | Accelaration of Crash Test Sled | Storage of pressure energy |
| | | Universities | Metrology | Reduction of storage volume |
| | Universities | Supersonic Wind Channels Air Storage | Reduction of storage volume | |
| | Cryogenic Temperature University Research | Helium Recovery (boil off gas) | Reduction of storage volume | |
| | Cryogenic Temperature University Research | Helium Liquefaction | Usage of pressure energy in mechanical / chemical process | |
| | Engine Development | Universities Research for CNG Fuel | Usage of pressure energy in mechanical / chemical process | |
| | Engine Development | Starting Air | Storage of pressure energy | |
| | Oil & Gas Industry | Pipeline service | Pipe Line Cleaning / pig | Transport and dispersion of other media |
| | | Pipeline service | Component Pressure Testing | Usage of pressure energy in mechanical / chemical process |
| N2 generation and storage | | Nitrogen Purging | Reduction of storage volume | |
| N2 generation and storage | | Deep Well Drilling and Mud Engineering | Storage of pressure energy | |
| N2 generation and storage | | Well Revitalization | Usage of pressure energy in mechanical / chemical process | |
| Semi-Submersible Rigs | | Rig Motion Compensation | Storage of pressure energy | |
| Seismic Exploration | | Air Gun and Service Air - Sea Bed Exploration | Usage of pressure energy in mechanical / chemical process | |
| Metal Industry | | Steel Treatment (forming) | Descaling | Storage of pressure energy |
| | Steel Treatment (forming) | Presses for Forging | Storage of pressure energy | |
| | Steel Production (making) | Furnace Blow-Through with Argon/Nitrogen | Usage of pressure energy in mechanical / chemical process | |
| | Steel Production (making) | Descaling | Usage of pressure energy in mechanical / chemical process | |
| | Military | Seaport Utilities | Dockyard Service Air | Storage of pressure energy |
| Airport Utilities | | Starting of Fighter Turbines | Storage of pressure energy | |
| Ground Utilities | | N2 Missile Support | Reduction of storage volume | |
| Mining | Deep Well Drilling | Mud Engineering | Storage of pressure energy | |
| Safety | Fire fighting | Fill-Up of Receivers (N2,N2+Ar, CO2) | Storage of pressure energy | |
| | Breathing Air | Fill-Up of Receivers | Reduction of storage volume | |
| Aviation Industry | Airport Utilities | N2 Tyre Inflation | Reduction of storage volume | |
| | Airport Utilities | Starting of Airplane Turbines | Storage of pressure energy | |

| colour code | explanation |
|---|---|
| Reduction of storage volume | Application does not need the pressure energy. Air or gas could be expanded to normal conditions. |
| Storage of pressure energy | Application needs the pressure energy or force. Air or gas is used to do some work when expanding. Non-continuous process. |
| Usage of pressure energy in mechanical / chemical process | Application needs the pressure energy or force. Air or gas is used to do some work when expanding or increased density [kg/m3] is needed. |
| Transport and dispersion of other media | Air or gas is used to transport or disperse something (gasmixtures/aerosoles/particles) |
| Blanketing off other media | Air or gas is used to repel or push other media |
| Usage of kinetic energy | Application needs the kinetic energy. Air or gas is used to accelerate media when expanding. Non-continuous process. |